

Appl. No. 10/006,316
Amdt. dated November 13, 2003
Reply to Office action dated July 17, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

Claim 2 (previously presented) The system of claim 1, wherein the system comprises:

at least one of a camera, an optical communication system, an imaging system, a test system, and a measurement system.

Claim 3-5 (canceled)

Claim 6 (currently amended) A system comprising:

one or more aperture-ingress-side surfaces ~~The system of claim 1 wherein said one or more aperture-ingress-side surfaces comprise~~ treated to substantially absorb light;

one or more aperture-egress-side surfaces; and

substantially all of said one or more aperture-ingress-side surfaces positioned such that light originating external to at least one of the one or more aperture-ingress-side surfaces is either allowed to enter an aperture ingress or is substantially reflected in a direction such that re-reflection through the aperture ingress is substantially minimized, wherein said one or more aperture-ingress-side surfaces comprise one or more curved surfaces.

Claim 7 (currently amended) The system of claim ~~[[1]]~~ 6, wherein said one or more aperture-ingress-side surfaces positioned such that light originating external to at least one of the one or more side-ingress-side surfaces positioned such that light

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originating external to at least one of the one or more ~~side-ingress-side-aperture-ingress-side~~ surfaces is either allowed to enter an aperture ingress or is substantially reflected in a direction such that re-reflection through the aperture ingress is substantially minimized comprises:

at least one flat surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged.

Claim 8 (original) The system of claim 7, wherein said at least one flat surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged comprises:

the at least one flat surface placed at an acute angle relative to a plane defined by an ingress of the aperture.

Claim 9 (currently amended) The system of claim 7, wherein the at least one flat surface angled such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged comprises:

the at least one flat surface placed at an angle whereby the light rays obeying the law of reflection are directed along a path such that, absent re-reflection, the light rays will not cross a plane defined by an ingress of the aperture.

Claim 10-11 (canceled)

Claim 12 (currently amended) The system of claim ~~[[1]]~~ 6 further comprising: an enclosure treated to substantially absorb light, said enclosure housing the system.

Claim 13 (currently amended) A system comprising:

a low-backscatter aperture structure, wherein said low-backscatter aperture structure has at least one surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said

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light rays impinged, and said low-backscatter aperture structure including at least one flat surface treated to substantially absorb light.

Claim 14 (previously presented) The system of claim 13, wherein the system comprises:

at least one of a camera, an optical communications system, an impinging system, a test system, and a measurement system.

Claim 15 (original) The system of claim 13, wherein said low-backscatter aperture structure comprises:

at least one flat surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged.

Claim 16 (original) The system of claim 15, wherein said at least one flat surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged comprises:

at least two flat surfaces forming a V shape.

Claim 17 (original) The system of claim 15, wherein said at least one flat surface oriented such that light rays impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged comprises:

the at least one flat surface forming a truncated cone shape.

Claim 18 (canceled)

Claim 19 (original) The system of claim 15, wherein said at least one flat surface oriented such that light tray impinging thereon are substantially reflected in a direction other than a direction from which said light rays impinged comprises:

said at least one flat surface treated to substantially reflect light.

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Claim 20 (original) The system of claim 13, further comprising:
an enclosure treated to substantially absorb light.

Claim 21 (canceled)

Claim 22 (currently amended) A ~~The system of claim 21, further comprising:~~
having an optical train, said optical train comprising:
a light source orientable to illuminate an aperture;
one or more aperture-ingress-side surfaces;
one or more aperture-egress-side surfaces;
said one or more aperture-ingress-side surfaces positioned such that light
originating external to at least one of the one or more aperture-ingress-side surfaces is
either allowed to enter an aperture ingress or is substantially reflected in a direction
such that re-reflection through the aperture ingress is substantially minimized;
a detector orientable to capture light from the aperture; and
an enclosure enclosing at least one of the light source, aperture-ingress-side
surface, aperture-egress-side surface, and detector, said enclosure treated to
substantially absorb light.